

ABSTRACT OF THE DISCLOSURE

A tire structure includes an outer tire includes a tread and two sidewalls extending from two sides of the tread. Two lip portions are formed on each of two sidewalls of the outer tire so as to be engaged with a wheel rim. An inner member is located inside of the outer tire and two peripheral edges of the inner member are connected between two opposite insides of the two sidewalls of the outer tire. The positions where the two peripheral edges of the inner member are connected to the insides of the sidewalls are located above the two respective lip portions. A valve is connected to the inner member and communicates with a space defined between the outer tire and the inner member.